

534,910

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/045584 A1

(51) International Patent Classification⁷: A61K 9/14, 9/20,
31/135, A61P 25/24, 25/34

(74) Common Representative: RANBAXY LABORATORIES LIMITED; c/o DESHMUKH, Jay, R., 600 College Road East, Suite 2100, Princeton, NJ 08540 (US).

(21) International Application Number:

PCT/IB2003/005195

(22) International Filing Date:

17 November 2003 (17.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1156/DEL/2002 15 November 2002 (15.11.2002) IN

(71) Applicant (for all designated States except US): RANBAXY LABORATORIES LIMITED [IN/IN]; 19, Nehru Place, 110019 New Delhi, Delhi (IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHAWLA, Manish [IN/IN]; 106, Lal Jyoti Apartments, Sector - 9, Plot 16, 110085 Rohini, Delhi (IN). RAGHUVANSHI, Rajeev, Singh [IN/IN]; Flat No. 8131, Block D-8, Vasant Kunj, 110070 New Delhi, Delhi (IN). RAMPAL, Ashok [IN/IN]; 14 Sewa Nagar, Ram Tirath Road, 143001 Amritsar, Punjab (IN).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BUPROPION HYDROCHLORIDE SOLID DOSAGE FORMS

(57) Abstract: The present invention relates to solid dosage forms that contain bupropion hydrochloride and glucono delta lactone or its corresponding open chain hydroxy acid derivative. The bupropion hydrochloride retains at least 80% of the bupropion hydrochloride potency after storage for three months at 40°C and 75% relative humidity. The solid dosage form may be in the form of a tablet, a capsule, or a granulate with or without an immediate release profile, a modified release profile, or an extended release profile.

WO 2004/045584 A1